Third United Nations International Conference on the Peaceful Uses of Atomic Energy

A/CONF.28/A/861
ITALY

February 1964

Submitted in:
ENGLISH and FRENCH

Confidential until official release during Conference

Abstract

RADIOMETRIC ASSAY OF TRACER AMOUNTS OF PLUTONIUM IN DEPLETED URANIUM

V. Maxia, S. Meloni, M.A. Rollier and R. Stella
Laboratorio di Radiochimica, Università di Pavia, Pavia, Italy

After careful calibration of the ion chamber, with natural uranium, a number of electrodeposited mixtures of Pu-U from depleted uranium were measured for alphas.

The mixtures, chemically dissolved from their stainless steel plates, were stripped of their Pu content and the latter newly assayed after a second electrodeposition. The results are discussed.